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(21) International Application Number: PCT/EP97/04016 (22) International Filing Date: 23 July 1997 (23.07.97) (30) Priority Data: 96202195.2 5 August 1996 (05.08.96) EP (34) Countries for which the regional or international application was filed: NL et al. (71) Applicants (for all designated States except US): MOGEN INTERNATIONAL N.V. [NL/NL]; Einsteinweg 97, NL-2333 CB Leiden (NL). GIST-BROCADES N.V. [NL/NL]; P.O. Box 1, NL-2600 MA Delft (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): SOUPPE, Jérôme [FR/FR]; 64, avenue de la Liberté, F-59290 Wasquehal (FR). BEUDEKER, Robert, Franciscus [NL/NL]; Boomkwekerij 31, NL-2635 KC Den Hoorn (NL). (74) Agent: VAN WEZENBEEK, Bart; Mogen International N.V., Einsteinweg 97, NL-2333 CB Leiden (NL).		(81) Designated States: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GH, HU, IL, IS, JP, KE, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SD, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(54) Title: IMPROVED PROCESS FOR THE PRODUCTION OF ALCOHOLIC BEVERAGES USING MALTSEED			
(57) Abstract			
The invention relates to a process for the production of alcoholic beverages such as beer or whiskey with a mixture of enzymes comprising an endo- β -(1,4)-xylanase, an arabinofuranosidase, an alpha-amylase, an endo-protease and a β -(1,3; 1,4)-glucanase, and optionally, a saccharifying amylase and/or an exopeptidase. Preferable are mixtures in which the enzymes which are necessary in the brewing process are provided by transgenic seeds. Only a minor amount of malt may be necessary for flavour and colour.			

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